

<p><b>Form PTO-1449</b></p> <p><b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b></p> <p>(Use several sheets if necessary)</p> <p>O I P E SC 112 FEB 27 2004 P A T E N T &amp; T R A D E M A R K O F F I C E</p>				Docket Number 221612001002		Application Number 10/713,748			
				Applicant				Scott K. PALM et al.	
				Filing Date November 13, 2003			Group Art Unit Not Yet Assigned		
				Mailing Date February 25, 2004					
<b>U.S. PATENT DOCUMENTS</b>									
Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate		
DJ	1.	07/10/2003	2003/0127022	Palm et al.					
DJ	2.	02/08/1966	3,233,740	Vander Linden et al.					
DJ	3.	10/15/2002	6,464,770	Palm et al.					
<b>FOREIGN PATENT DOCUMENTS</b>									
Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO		
DJ	4.	02/14/2002	WO 02/11882	WIPO			English		
<b>OTHER DOCUMENTS</b> (including author, title, Date, Pertinent Pages, Etc.)									
Examiner Initials	Ref. No.	Title							
EXAMINER: <i>DM Bransen</i>				DATE CONSIDERED: <i>4/28/05</i>					
EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.									

Form PTO-1449  INFORMATION DISCLOSURE CITATION IN AN APPLICATION  <i>(Use several sheets if necessary)</i>		Docket Number 221612001002	Application Number Not Yet Assigned - Continuation of USN 10/268,573
		Applicant	Scott K. PALM et al.
		Filing Date Concurrently Herewith	Group Art Unit Not Yet Assigned
		Mailing Date November 13, 2003	

### U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
DB	1.	12/02/1947	2,431,884	Neuschotz			
	2.	07/08/1952	2,602,782	Zoradi			
	3.	10/28/1975	3,915,735	Moreland			
	4.	04/07/1981	4,260,498	Sample, Jr. et al.			
	5.	10/14/1986	4,617,128	Ostreicher			
	6.	07/30/1991	5,035,804	Stowe			
	7.	07/07/1998	5,776,353	Palm et al.			
DB	8.	06/01/1999	5,908,561	Palm et al.			
DB	9.	08/11/1987	4,686,253	Struss et al.			

### FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO
DB	10.	05/21/1959	DE 10 57 577 B	Germany			X
DB	11.	05/25/1982	SU 929 164 B	U.S.S.R.			
DB	12.	09/26/1984	EP 0 119 411 A2, A3	Europe			

### OTHER DOCUMENTS

*(including author, title, Date, Pertinent Pages, Etc.)*

Examiner Initials	Ref. No.	Title
DB	13.	Bear, Jacob (1988). "Derivations of Darcy's Law" in Chapter 5 "The Equation of Motion of a Homogeneous Fluid" in <u>Dynamics of Fluids in Porous Media</u> , 2nd edition, (Dover Publications, Inc., New York) pp.161-176.
DB	14.	Berry, L.G. and Mason, Brian (1983). Part IV. Appendixes, "Appendix A. Natural glasses and macerals" in <u>Mineralogy</u> (New York: Freeman and Co.) pp. 540-546.
DB	15.	Breese, Richard O.Y. and Barker, James M. (1994). "Perlite" in <u>Industrial Minerals and</u>

EXAMINER: DR BRUNSMAN

DATE CONSIDERED: 9/28/05

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D3	Rocks (Society for Mining, Metallurgy, and Exploration, Inc., Littleton, Colorado) 6th Edition, pp. 735-749.		
16.	Cain, C. W., Jr. (1984). "Filter aid, use in filtration" Chapter 21, "Expanders to Finned Tubes, Selection of" in <u>Encyclopedia of Chemical Processing and Design</u> (New York: Marcel Dekker, Inc.) pp. 348-372.		
17.	Carman, P. C. (1937). "Fluid flow through granular beds" <i>Trans.-Institution of Chem. Eng.</i> pp. 150-166.		
18.	Heertjes, P. M. and H. v.d. Haas (1949). "Studies in filtration. Part I" <i>Recueil</i> 68:361-383.		
19.	Heertjes, P. M. and Lerk, C. F. (1966). "Filter blocking, filter media and filter aids" Chapter 2 in <u>Solid-Liquid Separation</u> (London: Her Majesty's Stationery Office), pp. 37-43.		
20.	Hermanson, Greg T. et al. (1992). <u>Immobilized Affinity Ligand Techniques</u> (San Diego: Academic Press Inc.) (Table of Contents).		
21.	Kadey, Frederic L., Jr. (1983). "Diatomite" in <u>Industrial Minerals and Rocks (Nonmetallics other than Fuels)</u> (Society of Mining Engineers of the American Institute of Mining, Metallurgical, and Petroleum Engineers, Inc., New York, New York) Fifth Edition, Volume 1, pp. 677-708.		
22.	Kiefer, J. (IV(1991)). "Kieselguhr filtration" <i>Brauwelt International</i> pp. 300-302, 304-309.		
23.	Nordén, Harry V. and Kauppinen, Petteri (1994). "Application of volume balances and the differential diffusion equation to filtration" <i>Separation Science and Technology</i> 29(10): 1319-1334.		
24.	Ruth, B. F. (1946). "Correlating filtration theory with industrial practice" <i>Industrial and Engineering Chemistry</i> 38(6):564-571.		
25.	Sperry, D. R. (1916). "The principles of filtration" <i>Metallurgical and Chemical Eng.</i> , Vol. XV(4):198-203.		
26.	Stein, H. A. and Murdock, J. B. (1955). "The processing of perlite" <i>California Journal of Mines and Geology, State of California Division of Mines</i> 51(2):105-116.		
27.	Tiller, F. M. (1953). "The role of porosity in filtration. Numerical methods for constant rate and constant pressure filtration based on Kozeny's law" <i>Chemical Engineering Progress</i> 49(9):467-479.		
28.	Tiller, F. M. and Cooper, Harrison (1962). "The role of porosity in filtration: Part V. Porosity variation in filter cakes" <i>A.I.Ch.E. Journal</i> 8(4):445-449.		
29.	Tiller, F. M. and Shirato, Mompei (1964). "The role of porosity in filtration: VI. New definition of filtration resistance" <i>A.I.Ch.E. Journal</i> 10(1):61-67.		
D3	Trivedi, Nikhil C. and Hagemeyer, Robert W. (1994). "Fillers and coatings" in <u>Industrial Minerals and Rocks</u> (Society for Mining, Metallurgy, and Exploration, Inc., Littleton, Colorado) 6th Edition, pp. 483-495.		

EXAMINER: D M Brunsman	DATE CONSIDERED: 4/28/05
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DS	31.	Derwent Abstract of SU 929 164 B (January 3, 1983).
DS	32.	Derwent Abstract of EP 0 119 411 A2 (March 5, 1984).

*✓ no month provided*

~~*no month provided DS*~~

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